SIEMENS

MammoReport^{Plus}

SP

Installation Instructions

Installation of Software VA20

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Contents 0 - 3

Page

1 Standard Software Installation 1 - 1

General Remarks . . . 1 - 1
Prerequisites . . . 1 - 1
Automatic installation using Ghost and Ghostwalker . . . 1 - 2

2 Configuration and Partitioning 2 - 1

Checking Drive Assignments . . . 2 - 1
Changing the Drive Letters (to be done only if D: and E: are interchanged) . . . 2 - 1
Formatting Dynamic Disk Arrays . . . 2 - 1
Start-up procedures . . . 2 - 2
Copying directories . . . 2 - 2
Changing language settings . . . 2 - 3
Checking initialization . . . 2 - 3
Changing the keyboard driver . . . 2 - 4
Deactivate "Automatically Windows Update . . . 2 - 4
Database settings . . . 2 - 5
Setting a password . . . 2 - 5
Encrypting the database . . . 2 - 7
Starting database . . . 2 - 9
Changing user . . . 2 - 9
Checking the licensing key . . . 2 - 10

3 Final Inspection Test 3 - 1

Test Case . . . 3 - 1
Starting the system . . . 3 - 1
Login as Service user . . . 3 - 2
Selecting a case . . . 3 - 3
Reviewing Test Images . . . 3 - 4
Shutting down the system . . . 3 - 5
Test Summary . . . 3 - 6
Test Results . . . 3 - 6

1 Appendix A - 1

BIOS Settings Celsius R610 . . . A - 1

General Remarks

This is a complete installation of Windows 2000 and the MammoReport^{Plus} software version VA20.

Prerequisites

These instructions include initial installation including final testing after installation at production site.

This document describes the installation of the software MammoReport^{Plus} version VA20 via Ghost and Ghostwalker, and initial settings.

Except for the preparing process all other steps are performed automatically via the Ghost installation, that comprises the following steps:

- Installation of the operating system Windows 2000
- Installation of the W2000 Service Pack 4
- Installation of the Barco drivers for the two 5MP1HM graphic boards
- Installation of the MammoReport^{Plus} application software
- Preparing the hard disks:
  - if one 147 GB hard disk for data format
  - if 2 x 147 GB hard disks for data stripe (RAID0)
  - the smaller hard disk (36 GB) is for the OS, application software, user entered data (e.g. database).

After installation the success has to be verified by running corresponding test scripts.

The installation is described for the recommended hardware:

- FSC Celsius R610
- 1 or 2 (optional) HD drives (147 GB each) plus 1 system HD (36 GB)
- 2 SIMOMED monitors (must be turned on)[1]
- 2 Barco graphic boards (connected to PCI slots)
- Special workflow keypad
- CD-ROM drive (IDE drive)
- DVD drive
- LCD monitor with DVI connector or with VGA-DVI Adapter

1. As the SIMOMED monitors are delivered default switched to 75 Ohm impedance, for MammoReport application they have to be switched to 50 Ohms before operation (see SIMOMED manual for details).

Automatic installation using Ghost and Ghostwalker

One installation CD is necessary for the installation of the MammoReport^{Plus} software.

NOTE

The Ghost software licences are only valid for computers where MammoReport^{Plus} software has to be installed. Do not use the software on other computers.

1. Boot PC. During booting process insert **CD-ROM 1** into the DVD-ROM drive (the top drive) to boot directly from the CD.
2. A boot menu appears on the screen.
   The menu consists of three steps:
   Microsoft Windows 98 Startmenü

   1: GDisk (first step, cleans the first disk (system and application))
   2: Ghost (second step, used for installation of C: and E:)
   3: Ghostwalker (third step, used for making this computer unique)
3. Start with **GDisk** (step 1) and press **<Enter>**.
4. This process will run automatically and reboot the computer. The boot menu appears again.
5. Select **Ghost** (step 2) to start the ghost installation procedure automatically. This may take about 5 minutes.
6. When **Ghost** ends, a message* or prompt C:\> appears and system holds.Then press Ctrl+Alt+Delete. The PC will be rebooted.

   **Message:*
   "Allgemeiner Fehler beim Lesen von Laufwerk A:
   Command.com ist ungültig
   Geben Sie den Namen des Befehlsinterpreters ein (z.B. C:\COMMAND.COM) >>"
7. The boot menu appears again.
8. Now choose **Ghostwalker** (step 3) and confirm with **<OK>**. Ghostwalker starts and ends with reboot of PC. During reboot remove **CD**.

Windows2000 starts automatically from hard disk.

If both high-resolution Simomed monitors are turned on, the Windows user interface will be displayed.

- The Windows message “System Settings Change” is displayed.
- Click on **Yes** to restart the PC.

Checking Drive Assignments

This step is to ensure that the drives are properly assigned.

By default the partitions should be:

- System (C:)
- Compact Disc (D:) (Plextor CD Recorder)
- Applications (E:)
- Data (F:)
- Compact Disc (G:) (DVD Drive)

NOTE	**The CD Recorder and DVD Drive are named to Compact Disc both. To check which one is the CD Recorder, open explorer, select device Compact Disc (D:) with right mouse and choose eject. The tray of the choosen device will open, then close tray.**

1. Make sure the CD ROM drive is assigned to D:\, the "Application" drive shall be assigned to E:\ and the DVD drive to G:\.
2. Login as Administrator .

NOTE	**If the drive letters for CD Recorder (D:\) and Application (E:\) or DVD Drive (G:\) are interchanged, change them (only possible with administrator rights).**

Changing the Drive Letters (to be done only if D: and E: are interchanged)

1. Choose Start -> Settings -> Control Panel -> Administrative Tools -> Computer Management (Local) -> Storage -> Disk Management.
2. Click on CD ROM 0 and press right mouse button to get the menu to change "Drive Letter and Path ..." for CD ROM 0: G and for CD ROM 1: D .

NOTE	**It is recommended to change first CDROM 0 to H and thereafter CD ROM 1 to D and final CD ROM 0 to G.**

Formatting Dynamic Disk Arrays

NOTE	**If there is only 1 x 147 GB built in, the hard disk has to be formatted, otherwise the 2 x 147 GB hard disks have to be striped.**

To format the dynamic disk arrays the following steps have to be done manually:

1. Select **My Computer** and press right mouse button.
2. Select in Dialog Manage/Storage/ **Disk management**.
3. A wizard pops up. Click **<Next>**.

4. Mark all disks in checkboxes to signature them and click **<Next>**.
5. To upgrade them click **<Next>** and then **<Finish>**.
6. The formatting process starts automatically.
7. Select Disk 1, move mouse pointer on line **147 non allocated** and press right mouse button.
8. Select **Create Volume**.
9. A new wizard appears. Click **<Next>**.
10. The new window **Select Striped Volume** appears. Click **<Next>**.
11. Depending on the required number of harddisks they appear in the left column.
12. Select them one after the other and click **<Add>** after each selection. They will then appear in the right column. Click **<Next>**.
13. The drive name will automatically be set to **F**. Then click **<Next>**.
14. In dialog window **Format volume** the following entries are necessary:
    File System = NTFS
    Allocation = Default
    Volume Label = Data
15. Then click **<Next>** and **<Finish>**.
16. The formatting process starts.

NOTE	**The formatting process will take approximately 25 (45) minutes for 1 (2) HDs.**

Start-up procedures

Copying directories

After preparing the hard disks, some directories have to be copied from Applications (E:) to Data (F:) first.

- Open Windows Explorer and copy the following directories from **E:** to partition **F:**.
  - DICOM
  - DICOMIMPORT
  - Exports
  - Images
  - PrintSpool

Changing language settings

To change the language:

- Double click shortcut **LanguageSelector** on desktop**.**
  The following dialog appears:

Fig. 1 LanguageSelector

- Choose language and confirm with **OK**.

The language settings in lightbox.ini will then automatically be switched to the selected language.

Currently four languages are available: English, French, German and Spanish.

Language	Setting in lightbox.ini
English	gb
French	fr
German	ger
Spanish	es

Tab. 1 Language Settings in lightbox.ini

NOTE	**For a Swedish version English language shall be selected.**

Checking initialization

- In Applications (E:) double click file **lightbox.ini** and check if the selected language entry is active.

NOTE	**Use find option in Notepad to search for the entries.**

- Check the following entry in lightbox.ini: **CDDeviceNumber:1**
- Check also that initialization entry **CacheCapacity** is **1000**.

Changing the keyboard driver

The MammoReport^{Plus} workstation is delivered with one of the following keyboards:

- US International keyboard (default): “Input Locales: English (United States), Keyboard Layout: US-International”
- German keyboard: “Input Locales: German (Germany), keyboard Layout: German”
- French keyboard: “Input Locales: French (France), keyboard Layout: French”
- Swedish keyboard: “Input Locales: Swedish (Sweden), keyboard Layout: Swedish”
- Spanish keyboard: “Input Locales: Spanish (Spain), keyboard Layout: Spanish”

To change the keyboard language follow the steps below:

1. As user “SCR” select Windows **Start Menu** ⇒ **Settings** ⇒ **Control Panel**.
2. In Control Panel double click **Keyboard** icon.

NOTE	**For the Swedish keyboard you have to click Shift+4 to get the $ sign, in spite of the keyboard language requires Alt Gr + 4. When you log in as Windows Administrator, the abbreviation EN in the keyboard dialog displays the current used setting.**

Deactivate "Automatically Windows Update

To deactivate this setting follow the steps below:

1. Select **Start** ⇒ **Settings** ⇒ **Control Panel** ⇒ **Automatic Updates.**
2. A dialog window displays.
3. Check that checkbox " Keep my computer up to date. With this setting enabled, Windows Update software may be automatically updated prior to applying any other other updates." is **not** active.

Database settings

Setting a password

The SQL Base Server is running. The Server Client is visible, see Fig. 4.

1. Click on Start button and select **Programs (Centura/ SQLBase 7.6.1/ SQLBaseServer Monitor**

Fig. 2 Server Monitor

2. In the window that pops up click on the plus sign in front of **SQLBase Server** and select **Service** by clicking the plus sign..

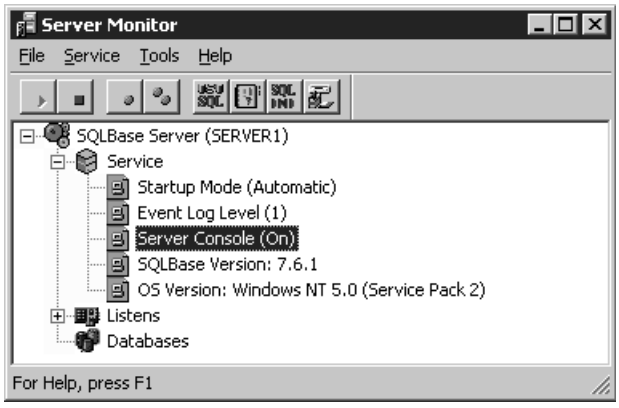


Fig. 3 Server Monitor Server: Console On

3. Now set a password to the Database: Select the entry **Security** from the visible **SQLBaseServer (Client)**.

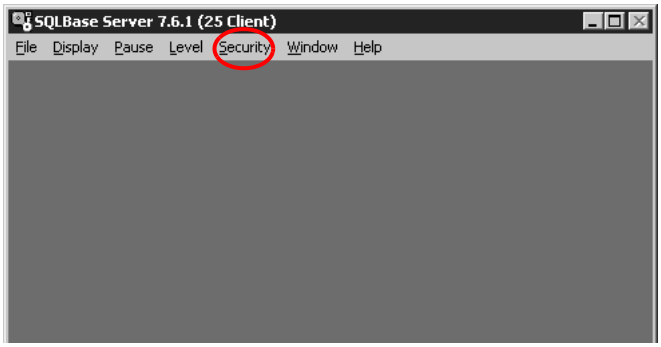


Fig. 4 Server Client: Entry Security

4. Select entry **Set Security Password** in the menu.
5. Enter **BreastCare** twice and confirm with **OK**.

Set Security Password
WARNING: Make sure you remember this server security password. If you forget this password, you will no longer be able to access encrypted databases.
After entering this password, you must use the ALTER DBSECURITY statement to encrypt a database and set the database key. The database key is not required to access the database.
Server Security Password:
Re-Enter Password:
OK
Cancel

Fig. 5 Set Security Password

6. Now the password is set.

NOTE	**Only the password BreastCare is valid.**

7. Then turn the Server Console **Off** by right click**.**

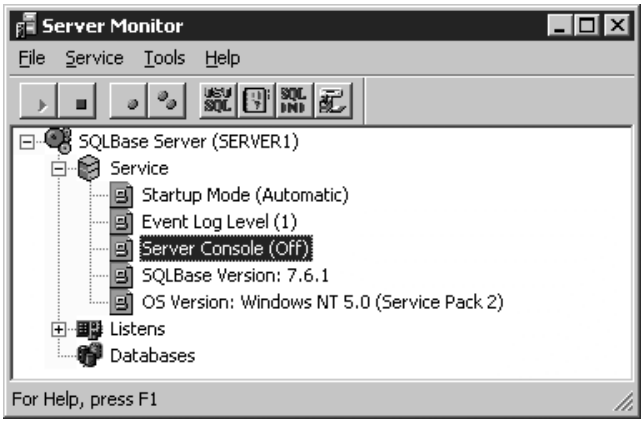


Fig. 6 Server Monitor Server: Console Off

8. Minimize the window Server Monitor

NOTE	**The window Server Client will disappear after rebooting (but don't reboot now).**

Encrypting the database

1. Check that SCR software has access to Database: Use either the shortcut **CheckODBC** on the desktop or on disk Application (E:) the program **CheckODBC.exe.**
2. If the connectivity test ends with F I N I S H E D, the check is ok.

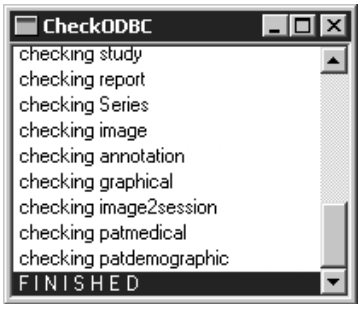


Fig. 7 Check: Access to database

3. When enlarging the window, the complete window looks like this:

Fig. 8 Enlarged window

4. Close the window CheckODBC.
5. Use either the shortcut **Cypher** on the desktop or the program **Cypher.exe** on disk E:\ (Application).
   Wait a few seconds after starting cypher.exe. until the message “cypher has finished” appears.

This message appears if database is successfully encrypted.

This message appears if encrypting failed.

Fig. 9 Cypher messages

NOTE	**The message "Cannot cypher" appears if:** **a) Cypher was run successful beforehand (database is already encrypted) or** **b) Password was not set. Repeat from beginning of this step.**

6. Close the message window and maximize the Server Client.
7. Then stop database. Click the stop button as shown in figure below.

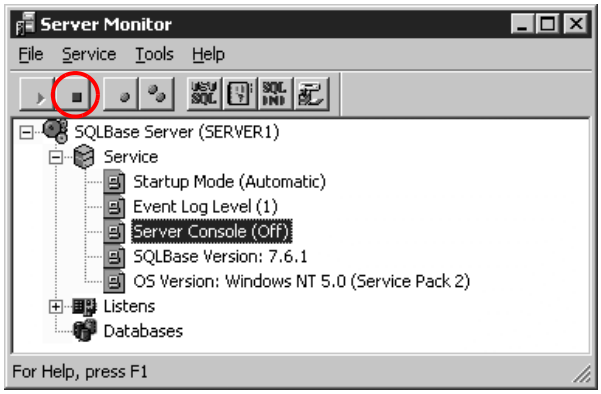


Fig. 10 Server Monitor: Stop database

8. Check that SCR software has **NO** access to Database (because password has to be entered after restarting the computer): Use either the shortcut **CheckODBC** on the desktop or on disk Application (E:) the program **CheckODBC.exe.**
9. If the connectivity test ends as shown in the figure below, the encrypting was successful. When done close CheckODBC.

Fig. 11 Check ODBC

Starting database

Use either the shortcut **Start Database** on the desktop or on disk E:\ (Application) the program **StartDatabase.exe.**

1. Check that SCR software has access to Database:
   Use either the shortcut on the desktop **Check ODCB** or on disk E:\ (Application) the program **CheckODCB.exe**. The check must be successful as shown in figure below. Close **Check ODCB** and **Server Monitor.**

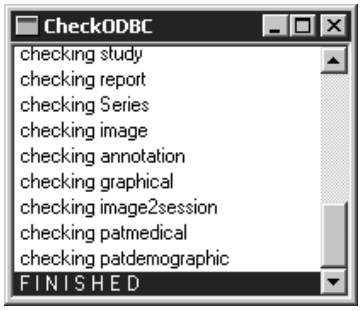


Fig. 12 Check: Access to database

NOTE	**If the check failed, run StartDatabase.exe again and then CheckODBC.exe.**

Changing user

Two windows users do already exist: Administrator (selected by default) and SCR.
To run the application automatically change the default user now to **SCR**.

NOTE	**All necessary passwords will be communicated via training courses and Siemens intranet only. Siemens intranet: http://www-td.med.siemens.de/**

- In Windows **Start Menu** –>Settings –>Control Panel –> Users and Passwords Administrator is selected as default.
- Click into checkbox **Users must enter a user name and password to enter this computer** to select a user name.
- Select user **SCR** as default and deselect checkbox **Users must enter a user name and password to enter this computer**. SCR will then be set as new default user.
- Confirm with **OK**. The password for user SCR is required. Set password then confirm with **OK**.
- Close "Users and Passwords"-Window with **OK**.
- Disconnect LCD monitor.

NOTE	**Make sure before reboot or start of shortcut MammoReport that all programs, also Windows explorer are closed.**

- Restart the workstation again. During Restart press **F2** to get access to BIOS.
- Set password and disable Start from Floppy and IDE CD-ROM.

- Save and exit BIOS.
- The computer now logs automatically in as user **SCR**.
- All programs will then start automatically as per **watchdog.conf**.

Checking the licensing key

The MammoReport^{Plus} software licenses are protected by a dongle connected to the parallel port of the PC. Especially the main modules of the MammoReport^{Plus} system are protected with a dongle in conjunction with FlexLM™ software (by Globetrotter) integrated in these software modules.

NOTE	**The license number(s) for MammoReport^{Plus} is (are) delivered on a sheet of paper.**

To check the license number a manual procedure is necessary.

1. Connect the delivered dongle to the parallel port.
2. Login as user **service** with password for service
3. In selection window click **Administration**.
4. Click on tab **Licensing** to check the valid license number.
5. In field **Feature** type **MBC-SCR-1**.
6. In field **Generation** type **2.0**
7. In field **License** type the delivered license number (contains 12 characters).
8. Then click on **Check**.

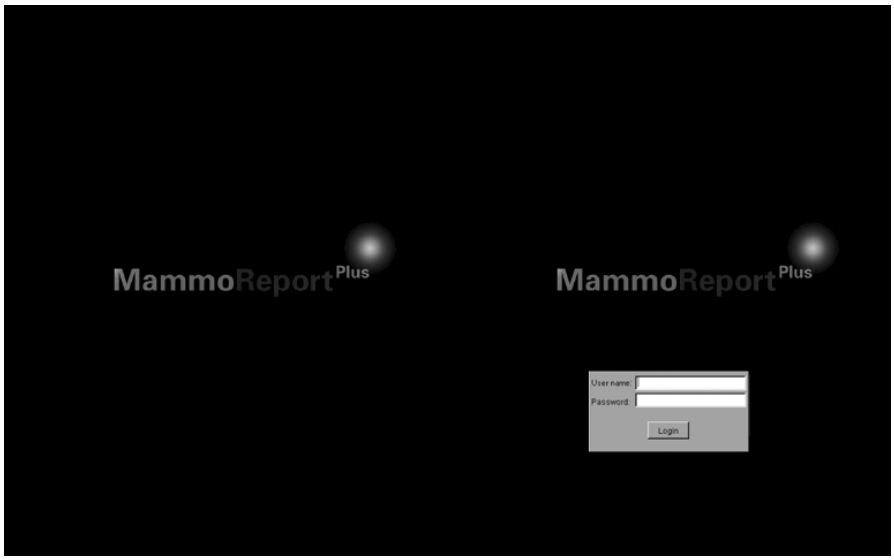
NOTE	**The file license.dat includes all information concerning valid licenses that are already installed on the workstation during installation process. The file is stored on drive E:\.**

After clicking the **Check** button the valid license number will be listed in this window permanently.

Test Case

The following test is recommended to test the functionality of the MammoReport^{Plus} program parts **Administration** and **Reviewing.**

Starting the system

1. Reboot the MammoReport^{Plus} workstation.	**Test OK?**
Expected Result A progress bar displays on the left monitor until all executable files are loaded. Then the MammoReport^{Plus} start screen appears along with the login window.	☐ Yes ☐ No
** Other language settings for the Login dialog, refer to table below.*	
 Fig. 1 Login window	Comment:

English	French	German	Spanish	Test OK?
User name	Nom d'utilisateur	Benutzername	Nombre de usuario	☐ Yes ☐ No
Password	Mot de passe	Kennwort	Contraseña	☐ Yes ☐ No

Tab. 1 Language Text for Login Window

Login as Service user

1. Login as user “service”.	**Test OK?**
Expected Result The login window disappears, and the following five buttons appear on the selection bar at the right edge of the right monitor: **“Reviewing”**, **“Administration”**, **“Logout”,** .**“Shutdown” and “Exit to Windows”**	☐ Yes ☐ No
** Other language settings for the Selection Bar, refer to table below.*	
	Comment:

Fig. 2 Login window with application buttons

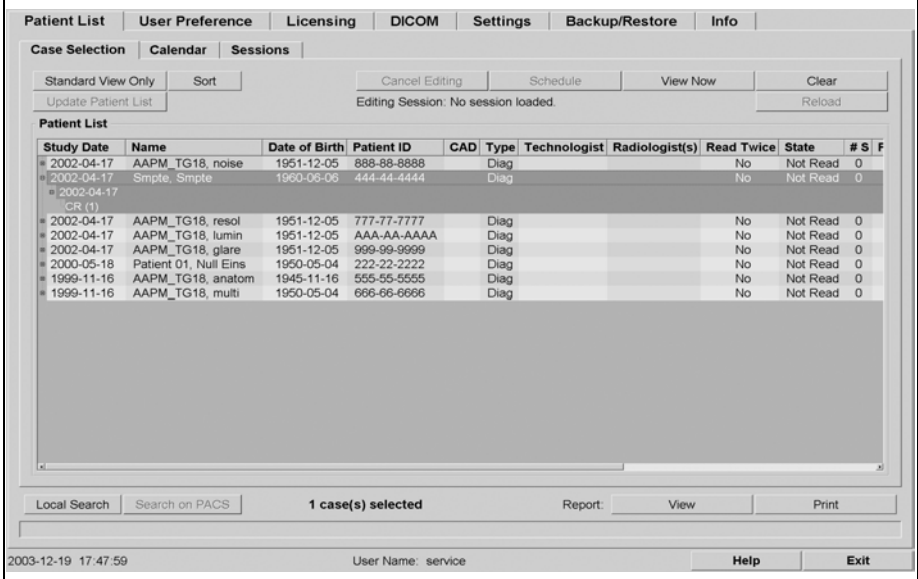
English	French	German	Spanish	Test OK?
Reviewing	Visualisation	Lichtkasten	Visualización	☐ Yes ☐ No
Administration	Administration	Administration	Administración	☐ Yes ☐ No
Logout	Déconnexion	Abmelden	Terminar la sesión	☐ Yes ☐ No
Shutdown	Arrêter	Ausschalten	Apagar	☐ Yes ☐ No
Exit to Windows	Sortie vers Windows	Zurück zu Windows	Salir a Windows	☐ Yes ☐ No

Tab. 2 Language Text for Selection bar buttons

Language text for Shutdown Message		Test OK?
English	Shut down ends the reviewing application and turns off the computer. The system will not be able to receive images. If any processes are still running, shutting down might take some time.	☐ Yes ☐ No
French	L’arrêt met fin à l’application Visualisation et éteint l’ordinateur. Le système ne pourra plus recevoir d’images. S’il reste des opérations en cours, la sortie peut prendre quelque temps.	☐ Yes ☐ No
German	Durch Herunterfahren wird die Befundungsanwendung beendet und der Computer abgeschaltet. Das System kann anschließend keine Bilder mehr empfangen. Wenn noch Prozesse laufen, kann das Herunterfahren einige Zeit dauern.	☐ Yes ☐ No
Spanish	Cerrar finalizará la aplicación de revisión y apagará el PC. El sistema no podrá recibir imágenes. Si hay procesos en curso, cerrar llevará algún tiempo.	☐ Yes ☐ No

Tab. 3 Language Text for Shutdown Message

Selecting a case

1. Select **Administration** mode. 2. In the **Patient List** group box select patient name **Smpte, Smpte** 3. Click **View Now** button.	**Test OK?**
Expected Result The Administration UI starts with the **Patient List** tab. The selected patient name “SMPTE” appears in grey. After the View Now button has been clicked, the Administration mode will be closed, and the Reviewing mode starts automatically.	☐ Yes ☐ No
 Fig. 3 Patient List tab with Patient SMPTE selected	Comment:

Reviewing Test Images

1. On Right **Monitor** the **MammoNavigator** is displayed. This feature starts automatically to indicate that non Standard images are arranged on the monitors.

2. The images are arranged according to overview tiling, see Fig. 4

3. Change the Monitor tiling by clicking the **Single Tiling** button for both Monitors, see Fig. 5

4. Drag and drop the images from the image area to both **Monitors** in the MammoNavigator.

Expected Result

The SMPTE test images are displayed on the left and right high resolution monitor as indicated in the MammoNavigator, see Fig. 5

Comment:

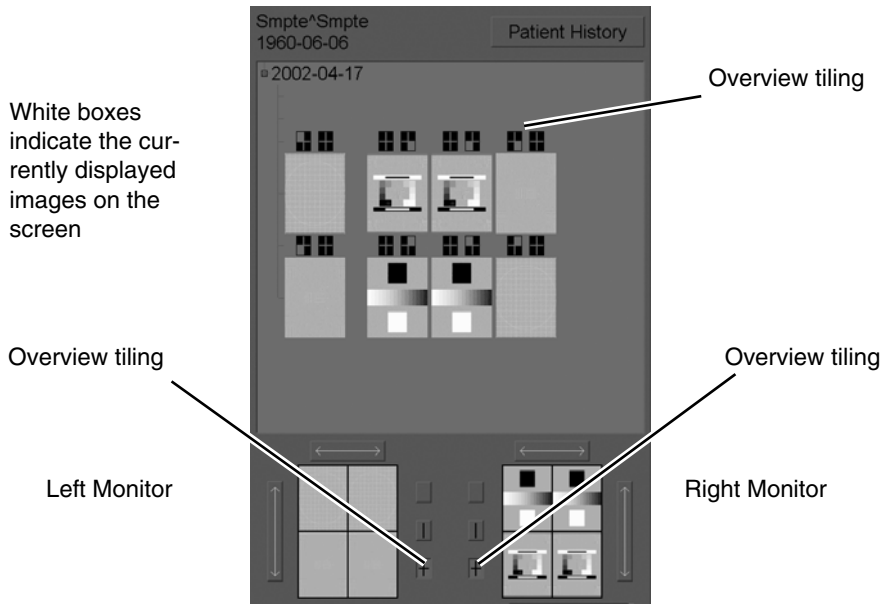


Fig. 4 MammoNavigator window

Comment:

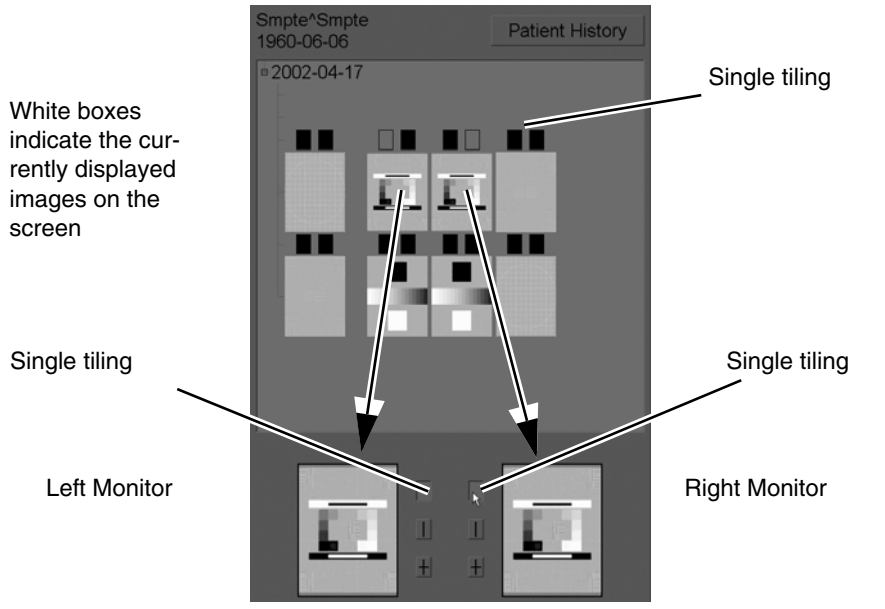


Fig. 5 Single tiling view button.

5. Click with the left mouse button in one image of the full screen display. Be sure that it is clicked in the large images, not the MammoNavigator. 6. Move the mouse pointer with left mouse button depressed on the image.	**Test OK?** ☐ Yes ☐ No
Expected Result 1. Magnifier is opened and moved on the image. The image shall not flicker and the magnifier shall not show artefacts.	☐ Yes ☐ No

Shutting down the system

1. Click the "**Quit**" button on the tool bar. 2. On the selection bar click the **Shutdown** button. 3. Shut down the computer .	**Test OK?**
Expected Result 1. The Reviewing mode will be closed. 2. The following message appears: **Shut down ends the reviewing application and turns off the computer.** **The system will not be able to receive images.** **If any processes are still running, shutting down might take some time.*** 2. The MammoReport^{Plus} software is quit and the computer is turned off.	☐ Yes ☐ No
** Text in bold depends on the language settings. Refer to Tab. 3, Page 3 - 2.*	

Test Summary

Test Person	
Serial No.	
Date/Time	
Test Result	
Signature	

Test Results

Step	Tested functionality	Test OK?
1	**Reboot system**	☐ Yes ☐ No
2	**Login as “service”**	☐ Yes ☐ No
3	**Administration mode**	☐ Yes ☐ No
4	**Review image and magnify**	☐ Yes ☐ No
5	**Shut down**	☐ Yes ☐ No

BIOS Settings Celsius R610

Check the BIOS settings.

Main		
Parameter	**Parameter in Submenü**	**Setting**
System Time:		Actual Time
System Date:		Actual Date
Legacy Diskette A:		1,44/1,25 MB 3½”
Primary Master		CD-ROM
	Type:	Auto
	Transfer Mode:	*Disabled*
	LBA Translation:	*Disabled*
	32 Bit I/O:	Enabled
	PIO Mode:	PIO 4
	Ultra DMA Mode:	Mode 2
	SMART Monitoring:	*Disabled*
Primary Slave		None
Secondary Master		CD-ROM
	Type:	Auto
	Transfer Mode:	*Disabled*
	LBA Translation:	*Disabled*
	32 Bit I/O:	*Enabled*
	PIO Mode:	PIO4
	Ultra DMA Mode:	Mode 2
	Hide Mode:	*Disabled*
	SMART Monitoring:	*Disabled*
Secondary Slave:		None
Installed O/S		Win2000/WinXP
System Memory		640 KB
Extended Memory		3406848 KB
System Information		
	BIOS Version:	1.06.1357
	BIOS Build Date:	09/19/03
	Ident-Nr.:	
	System Name:	CELSIUS R610
	System Version:	
	System Serial:	YB….
	Board Name:	S26361-D1357
	Board Version:	G

	Chassis Asset Tag :	
	MAC Address	xx.xx.xx.xx.xx.xx

Advanced			
Parameter	**Parameter in Submenu**	**Parameter in Subsub-menu**	**Setting**
Hardware Monitor			
	Fan Speed Control		Max Cooling
	Front Fan Event log		Enabled
	Rear Fan Event log		Enabled
	Realtime sensors		
		ADM CPU0 Temp	xx C
		ADM CPU1 Temp	xx C
		WB Rear Temp	xx C
		WB Front Temp	xx C
		ADM CPU0 Fan	working
		ADM CPU1 Fan	working
		WB Front Fan	working
		WB Rear Fan	working
		ADM VCCP	xxx V
		ADM 5V	xxx V
		ADM 12V	xxx V
		WB 3.3V	xxx V
		WB 5V SB	xxx V
BIOS Event Log			
	View BIOS event log:		Enter
	Clear all BIOS event logs		Disabled
	BIOS Event Logging		Enabled
	Halt on BIOS EventLog		Disabled
Processors			
CPU0	CPU Type:		Intel® XEON ™
CPU0	CPU Speed:		3.06 GHz
CPU0	CPU ID:		0F29
CPU0	CPU Patch ID:		0015
CPU0	CPU FSB:		133 MHz
CPU1	CPU Type:		Intel® XEON ™
CPU1	CPU Speed:		3.06 GHz
CPU1	CPU ID:		0F29
CPU1	CPU Patch ID:		0015

	CPU FSB:		133 MHz
	Hyper-Threading:		Enabled
	MPS Version:		1.4
	L3 Cache		Enabled
Chipset			
	Memory Remapping:		Enabled
	Disable Memory Bank:		*Disabled*
	ECC Memory Checking:		Enabled
Floppy Disk Drive			
	Floppy disk controller:		Enabled
IDE Devices			
	Local Bus IDE adapter:		Both
Integrated SCSI Controller			
	Integrated SCSI:		Enabled
	Option ROM Scan:		Enabled
	Latency Timer:		Default
	ChannelB Host RAID Support:		Disabled
Reset Configuration Data			NO
Integrated Network Interface			
	Integrated Network:		Enabled
	Option ROM Scan:		*Disabled*
	Latency Timer:		0040h
Integrated USB			
	Integrated USB1.1:		*Enabled*
	Integrated USB2.0:		*Disabled*
	Legacy USB Support:		*Disabled*
I/O Device Configuration			
	Serial port A:		Enabled
	Base I/O address:		3F8
	Interrupt:		IRQ 4
	Parallel port:		Enabled
	Mode:		Bi-directional
	Base I/O address:		378
	Interrupt:		IRQ 7
Integrated Audio			
	Integrated Audio:		*Disabled*

Integrated 1394			
	Integrated 1394		*Disabled*
AGP Slot (Graphics)			
	Device Vendor:		NVIDIA
	Card Vendor:		NVIDIA
	Latency Timer:		Default
	Graphics Aperture:		128 MB
PCI Device, Slot #1			
	Device Vendor:		Empty Slot
	Card Vendor:		Empty Slot
	Option ROM Scan:		*Disabled*
	Latency Timer:		Default
PCI Device, Slot #2			
	Device Vendor:		Empty Slot
	Card Vendor:		Empty Slot
	Option ROM Scan:		*Disabled*
	Latency Timer:		Default
PCI Device, Slot #3			
	Device Vendor:		13CCh
	Card Vendor:		13CCh
	Option ROM Scan:		*Disabled*
	Latency Timer:		Default
PCI Device, Slot #4			
	Device Vendor:		Empty Slot
	Card Vendor:		Empty Slot
	Option ROM Scan:		*Disabled*
	Latency Timer:		Default
PCI Device, Slot #5			
	Device Vendor:		13CCh
	Card Vendor:		13CCh
	Option ROM Scan:		*Disabled*
	Latency Timer:		Default

Security	
Parameter	**Setting**
Supervisor Password Is:	Clear[1]
Set Supervisor Password	Enter[2]
[1] Changes to Set after setting Supervisor Password [2] Password has to be set and "Password Check" has to be Setup (Security requirement)	
Clear All Passwords	Enter
User Password Is:	Clear
Set User Password	Enter
Password on boot:	*Disabled*
Start from Floppy	*Disabled*[1]
Start from IDE CD-ROM	*Disabled*[1]
Start from IDE HDD	Enabled
Write on Flexible Disks	Unlocked
Secured Setup Configurations	NO
Fixed disk boot sector:	Normal
Setup Prompt:	*Disabled*
Cabinet Monitoring:	*Disabled*
BIOS Write Protect:	*Disabled*

[1]) Settings for delivery.

Power	
Parameter	**Setting**
Remote Power-On:	Disabled
After Power Failure:	Stay Off

Boot		
Parameter	**Parameter im Submenu**	**Setting**
Fast Boot:		Enabled
Quiet Boot:		Enabled
Display OPROM Messages:		Enabled
Default Primary Video Adapter:		AGP
Halt on Post Errors:		Enabled
NumLock:		On
F12 Boot		Disabled (Enabled)
Boot Device Priority		
	CD-Rom Drive	

	- Removable Devices	
	... Legacy Floppy Drives	
	- Hard Drive	
	.. 00,AIC-7902A:	0 FUJITSU MAP3367NP
	.. 00,AIC-7902A:	1 SEAGATE ST3146807LW
	.. 00,AIC-7902A:	2 SEAGATE ST3146807LW
	Bootable Add-in Cards	
	Legacy LAN Card	

Exit		
Parameter	**Parameter im Submenu**	**Setting**
Exit Saving Changes		
Exit Discarding Changes:		
Load Setup Defaults		
Discard Changes		
Save Changes		